

# FIG. 1

ggctcgaggccaggatgcctccagtctggggaaaatgctcctcattgtctccagcccacctaagcagtctccc 80  
caccctttagtctcagcagttaaaactgtttcacagcttcctggagcgagtgcttcaagccgtctgc 160

aaggctttcacttcagcacaATGCTACTGCCTAAAAAAATGAAGCTCCTGCTGTTCTGGTTCCAGATGCCATCTT 240  
M L L P K K M K L L L F L V S Q M A I L

GGCTCTATTCTTCCACATGTACAGCCACAACATCAGCTCCCTGTCTATGAAGGCACAGCCCGAGCGCATGCACGTGCTGG 320  
A L F F H M Y S H N I S S L S M K A Q P E R M H V L V  
\*  
TTCTGTCTTCCTGGCGCTCTGGCTCTTCTTTGTGGGCAGCTTTGGGCAGCACCAGATGTTTCTACCTGATGGAG 400  
L S S W R S G S S F V G Q L F G Q H P D V F Y L M E

CCGCCTGGCACGTGTGGATGACCTCAAGCAGAGCACCGCCTGGATGCTGCACATGGCTGTGGGATCTGATAACGGC 480  
P A W H V W M T F K Q S T A W M L H M A V R D L I R A

CGTCTTCTTGCGACATGAGCGTCTTGATGCCTACATGGAACCTGGTCCCCGGAGACAGTCCAGCCTCTTCAGTGGG 560  
V F L C D M S V F D A Y M E P G P R R Q S S L F Q W E

AGAACAGCCGGGCCCTGTGTTCTGCACCTGCCTGTGACATCATCCCACAAGATGAAATCATCCCCGGGCTCACTGCAGG 640  
N S R A L C S A P A C D I I P Q D E I I P R A H C R

CTCCTGTGCAGTCAACAGCCCTTGAGGTGGAGAAGGGCTGCCCTCACAGCCACGTGGTGCCTCAAGGAGGTGCG 720  
L L C S Q Q P F E V V E K A C R S Y S H V V L K E V R

CTTCTCAACCTGCAGTCCCTCTACCCGCTGCTGAAAGACCCCTCCCTCACCTGCATATCGTGCACCTGGTCCGGGACC 800  
F F N L Q S L Y P L L K D P S L N L H I V H L V R D P

CCCGGGCCGTGTTCCGTTCCCGAGAACGCACAAAGGGAGATCTCATGATTGACAGTCGATTGTGATGGGGCAGCATGAG 880  
R A V F R S R E R T K G D L M I D S R I V M G Q H E

CAGAAACTCAAGAAGGAGGACCAACCCACTATGTGATGCAGGTACATGCCAAAGCCAGCTGGAGATCTACAAGACCAT 960  
Q K L K K E D Q P Y Y V M Q V I C Q S Q L E I Y K T I

CCAGTCTTGCCTAACGGCCCTGCAGGAACGCTACCTGCTGTGCGCTATGAGGACCTGGCTCGAGCCCCTGGCCAGA 1040  
Q S L P K A L Q E R Y L L V R Y E D L A R A P V A Q T

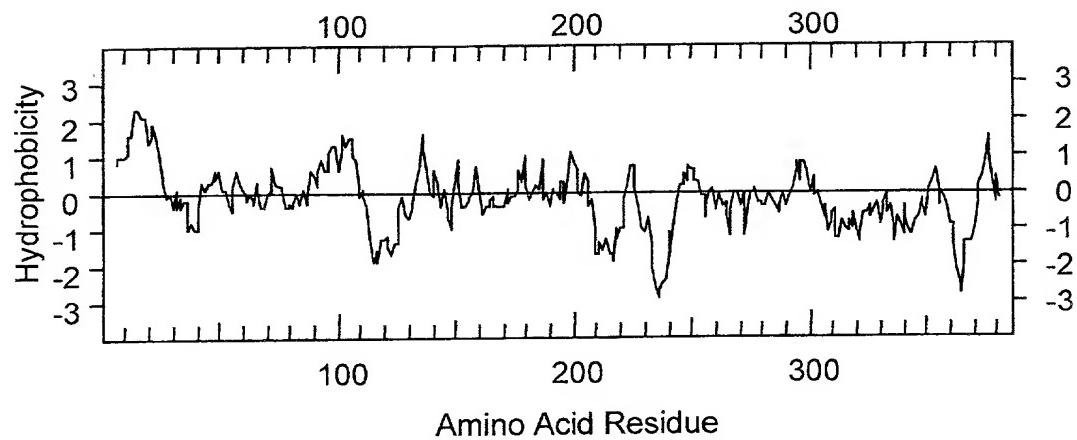
CTTCCCGAATGTATGAATTGCTGGATTGAAATTCTTGCCCCATCTCAGACCTGGTGCTAACATCACCCGAGGCAAG 1120  
S R M Y E F V G L E F L P H L Q T W V H N I T R G K  
\*  
GGCATGGGTGACCACGCTTCCACAAATGCCAGGGATGCCCTTAATGTCTCCAGGGCTGGCTGGTCTTGGCTTA 1200  
G M G D H A F H T N A R D A L N V S Q A W R W S L P Y

TGAAAAGGTTCTCGACTTCAGAAAGCCTGTGGCGATGCCATGAATTGCTGGCTACCGCCACGTCAGATCTGAACAAG 1280  
E K V S R L Q K A C G D A M N L L G Y R H V R S E Q E

AACAGAGAAACCTGTTGGATCTCTGTCTACCTGGACTGTCCCTGAGCAAATCCACTAAgagggttgagaaggcttt 1360  
Q R N L L D L L S T W T V P E Q I H \*

gctgccacctggtgtcagcctcagtcaacttctgtaatgcttgcgttgcctacatctctgagccttaactacatg 1440  
tctgtgggtatcacactgagtgtgagttgtgtccacacacgtgctcaagcagaaggactttgtgtccatgcttgc 1520  
aaaacagactggggaaaccttatgtgagcagcacaatcccacccaggtaacacagggtatgtgtttttttgtatctt 1600  
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cacagctatcgtaatcagaaataatgaaacaaaatctctgcacaaaagagcaagcttcaagttcacagggtgccctggc 1920  
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taaaattcccaaataagaaaaaaaaaaaaaa 2032

FIG. 2



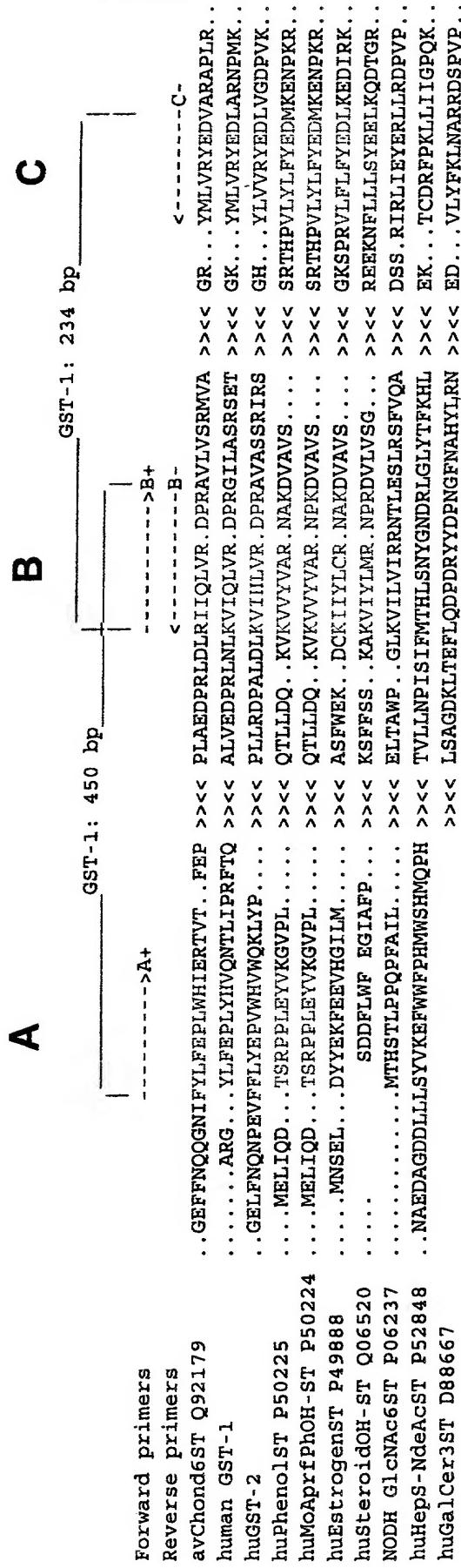
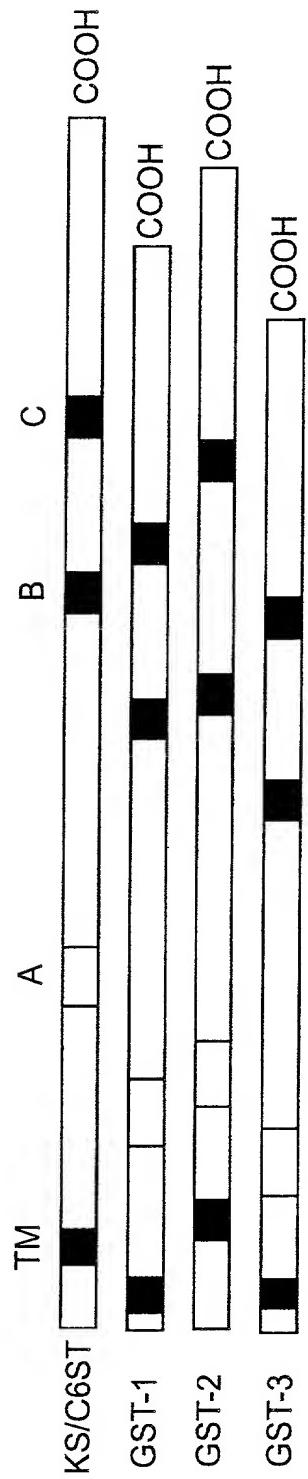


FIG. 3

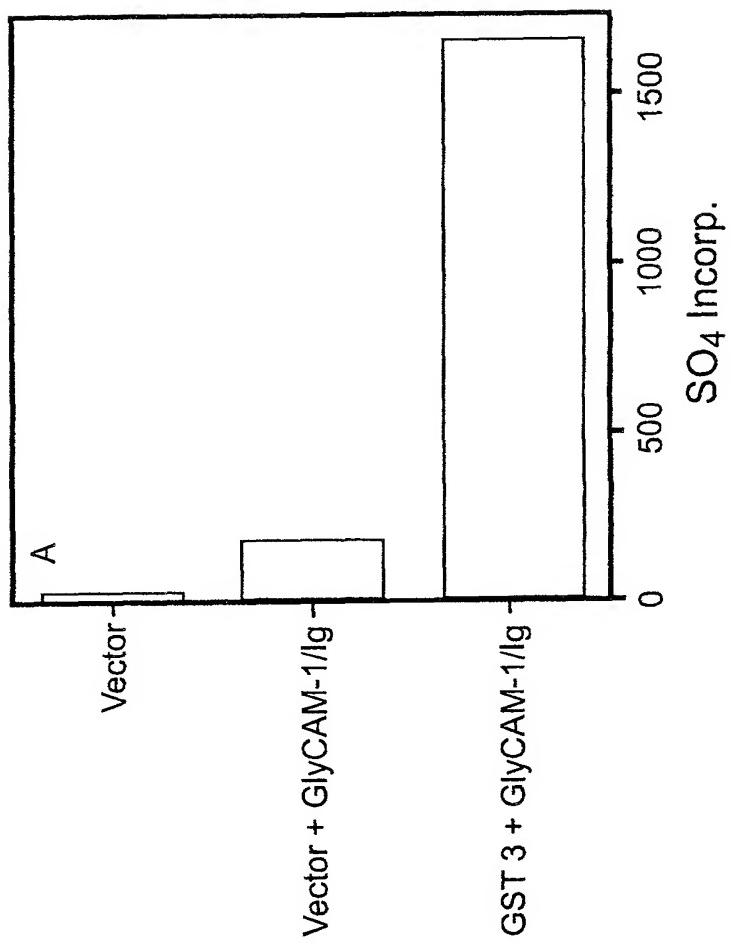
FIG. 4

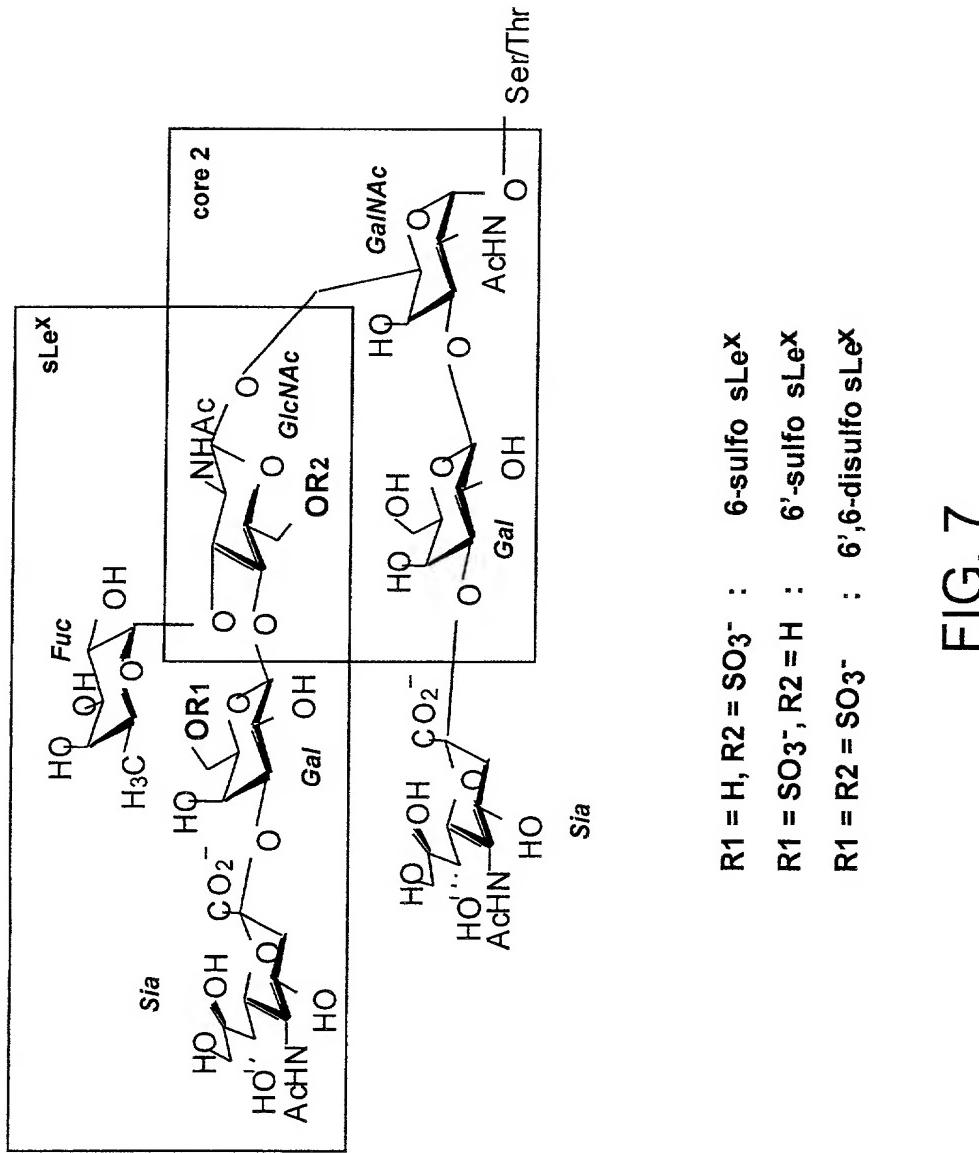


HEC-G1cNAC6ST G1cNAC6ST KSGa16ST C6ST	106  134  249  320	<p>SWRGSSSFVCGOLFQHPDVEYYIMEPAWHV TWRSGSSSEFGELFNQNPEVFILYEPPVWHV TTTRSGSSSFVCGOLFNCQLDVFYLFEPFLYHV TTTRGSSSFVGEFFENQGNIEFYIIEPFLWHTI</p> <p>DPSINLHIVHLVRDPRAVFRSR DPAIDLKVIHLVRDPRAVASSR DPRINLKVQLVVRDPERGIIASR DPRIDLRVIQLVVRDPRAVIAASR</p> <p>PKAIQERYVLVRYEDILARAP PDWLQGHYLVVRYE.DLVGDP PPWIKGKYMILVRYEDILARNP PAMIRGRGYMLVRYEDVARGP</p>
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FIG. 5

FIG. 6





$\text{R1} = \text{H}, \text{R2} = \text{SO}_3^-$  : 6-sulfo sLex  
 $\text{R1} = \text{SO}_3^-, \text{R2} = \text{H}$  : 6'-sulfo sLex  
 $\text{R1} = \text{R2} = \text{SO}_3^-$  : 6,6-disulfo sLex

FIG. 7

FIG. 8

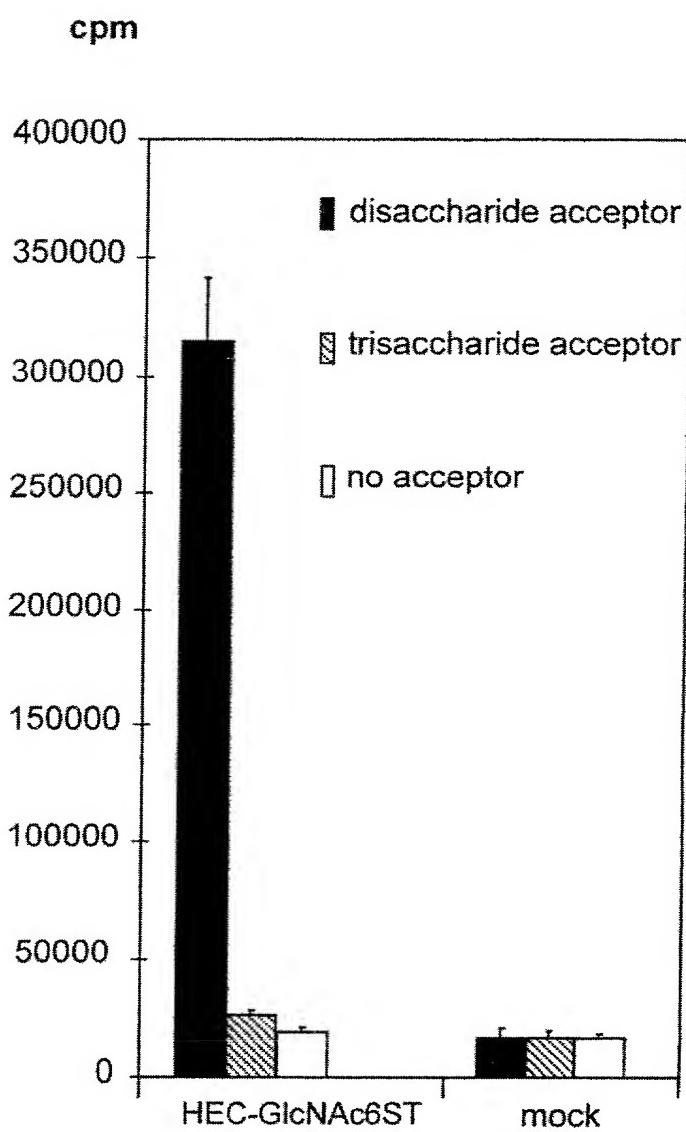


FIG. 9

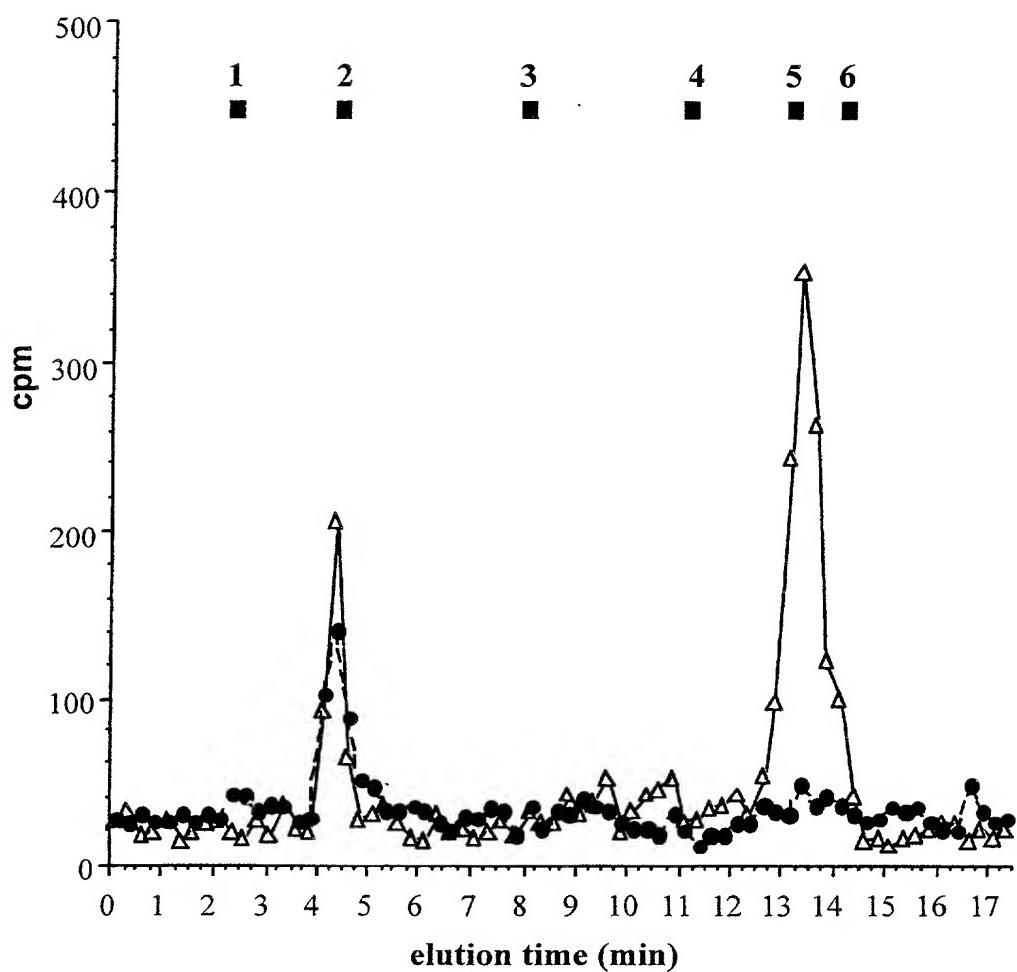


FIG. 10

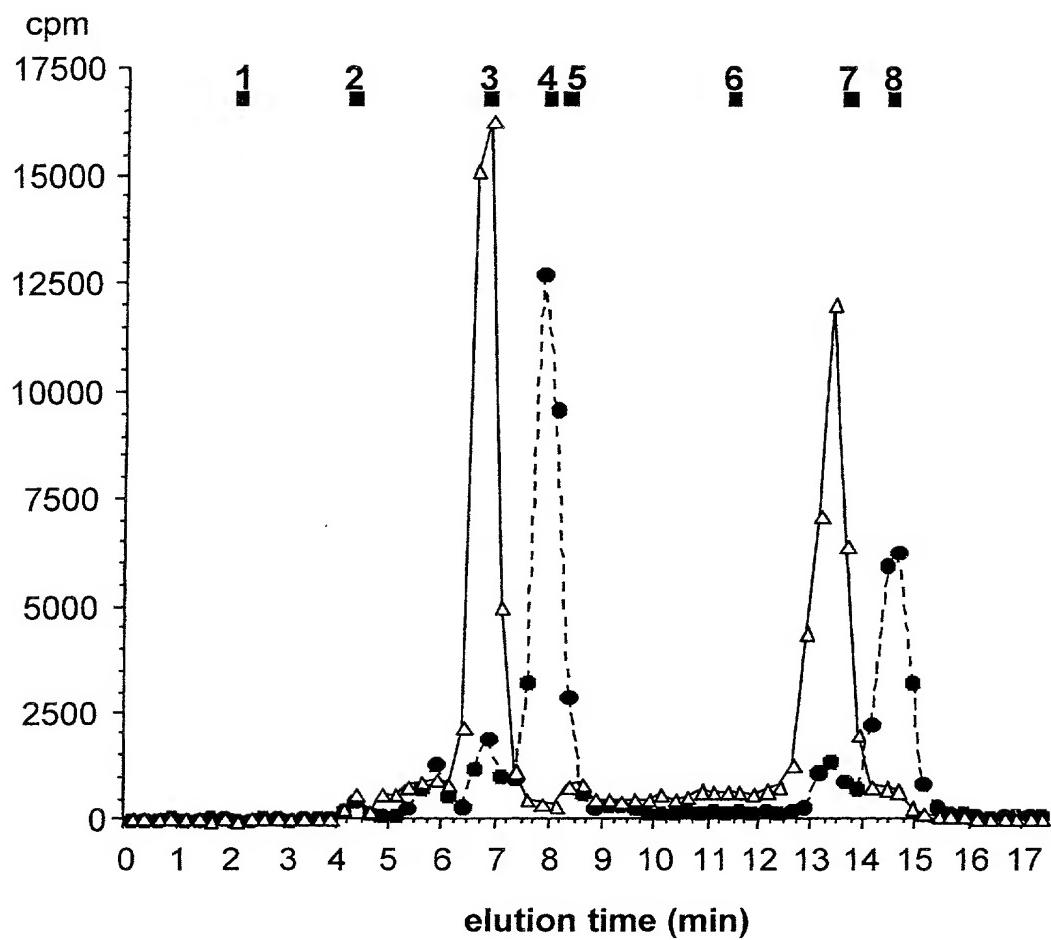


FIG. 11B

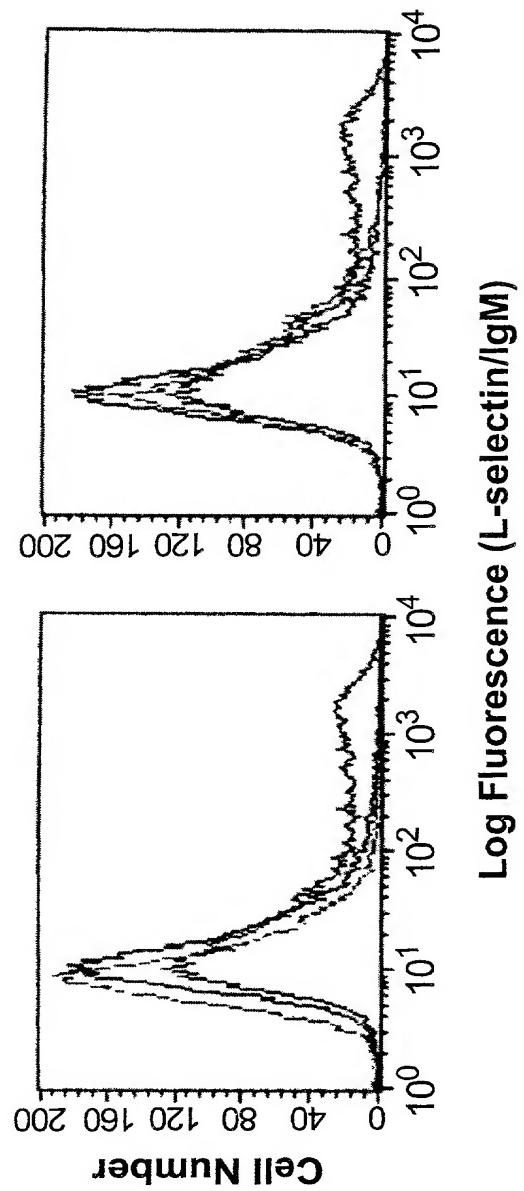
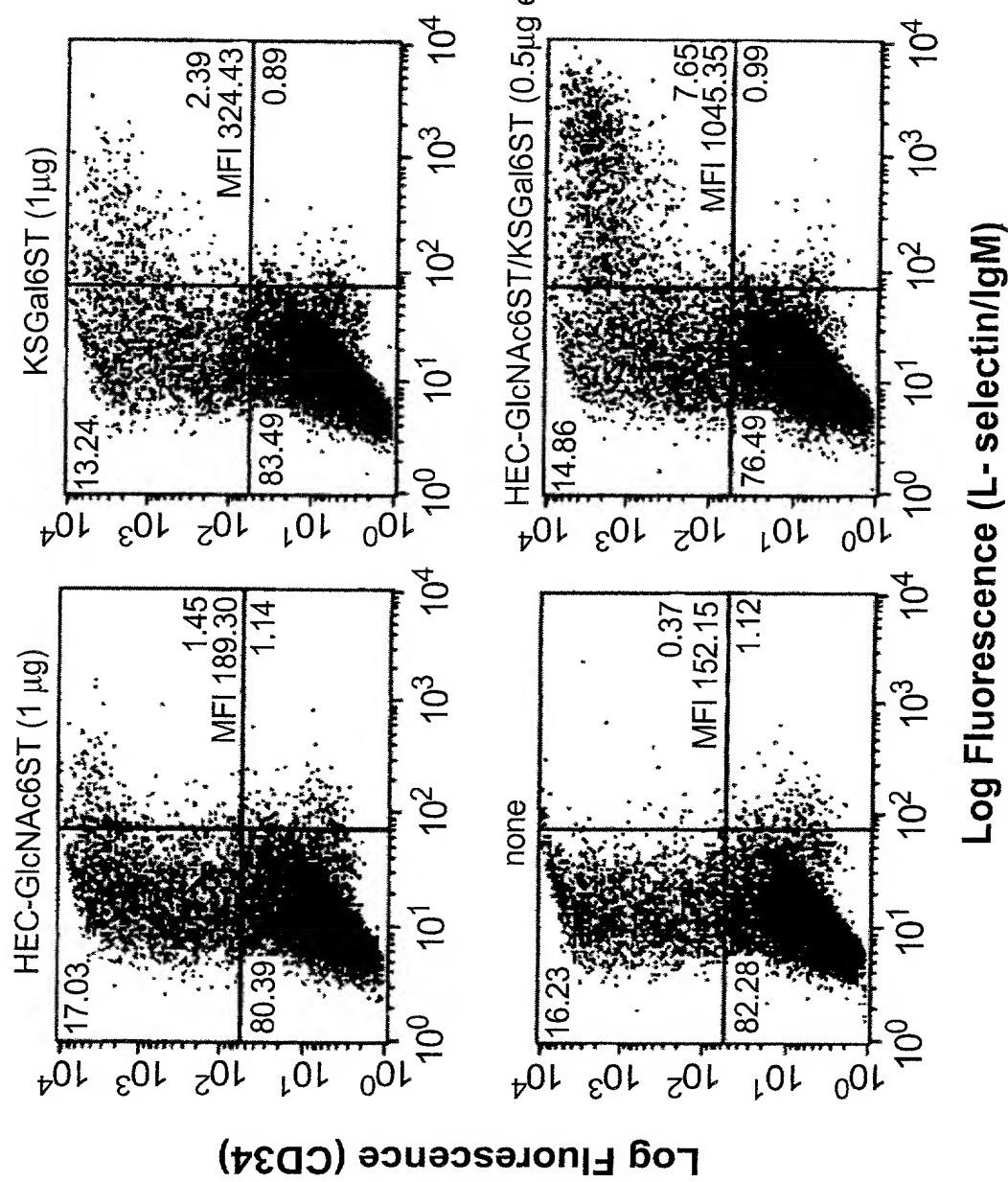


FIG. 11A

FIG. 11C



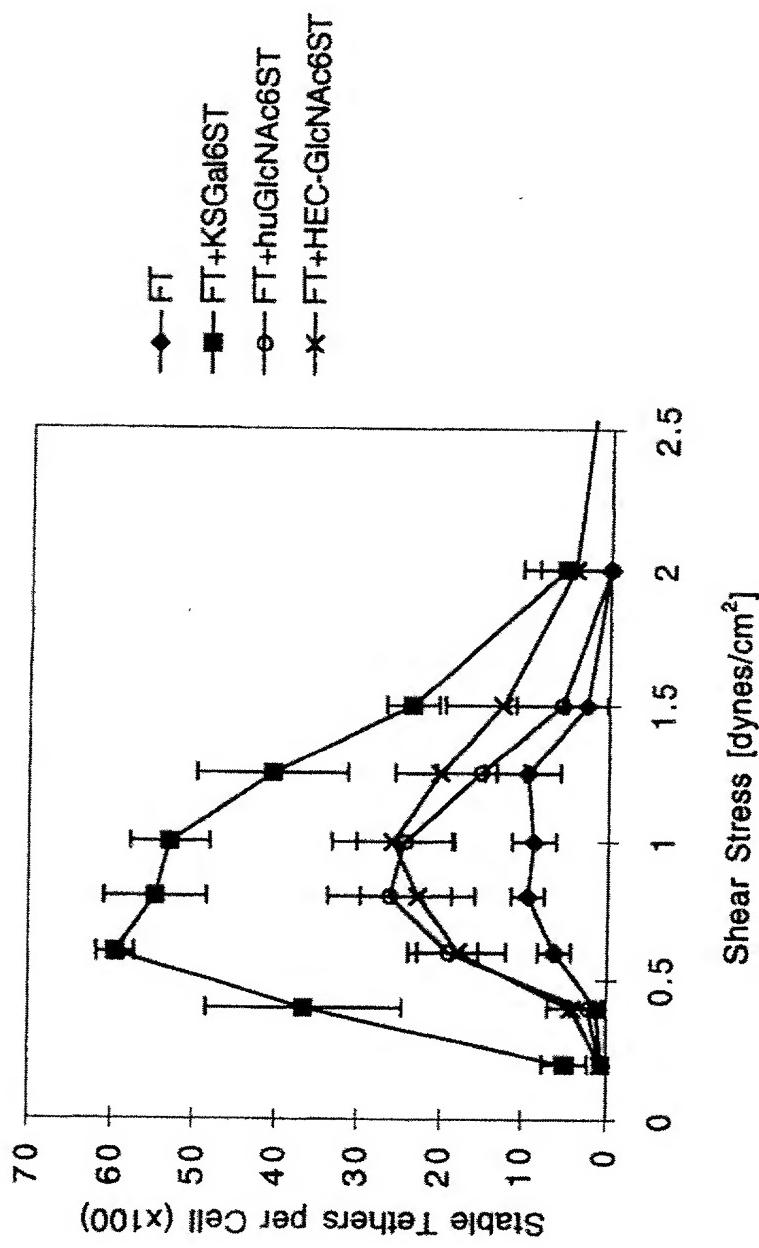


FIG. 12

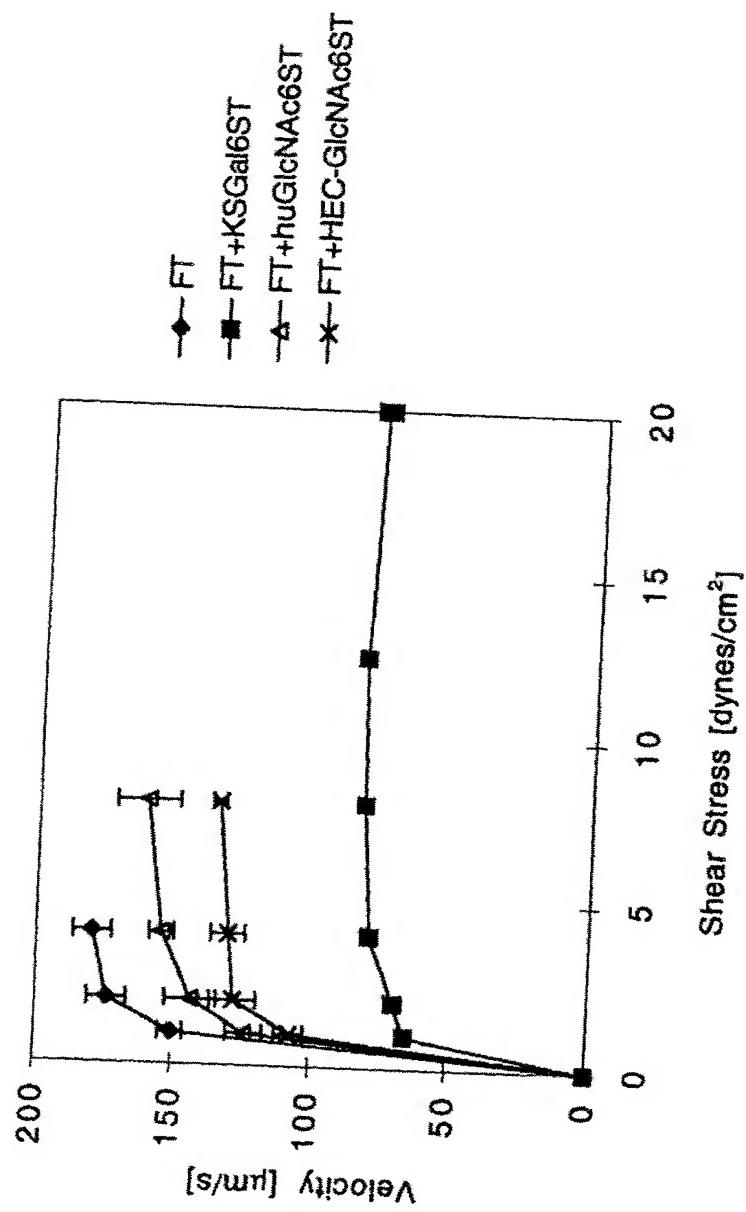


FIG. 13

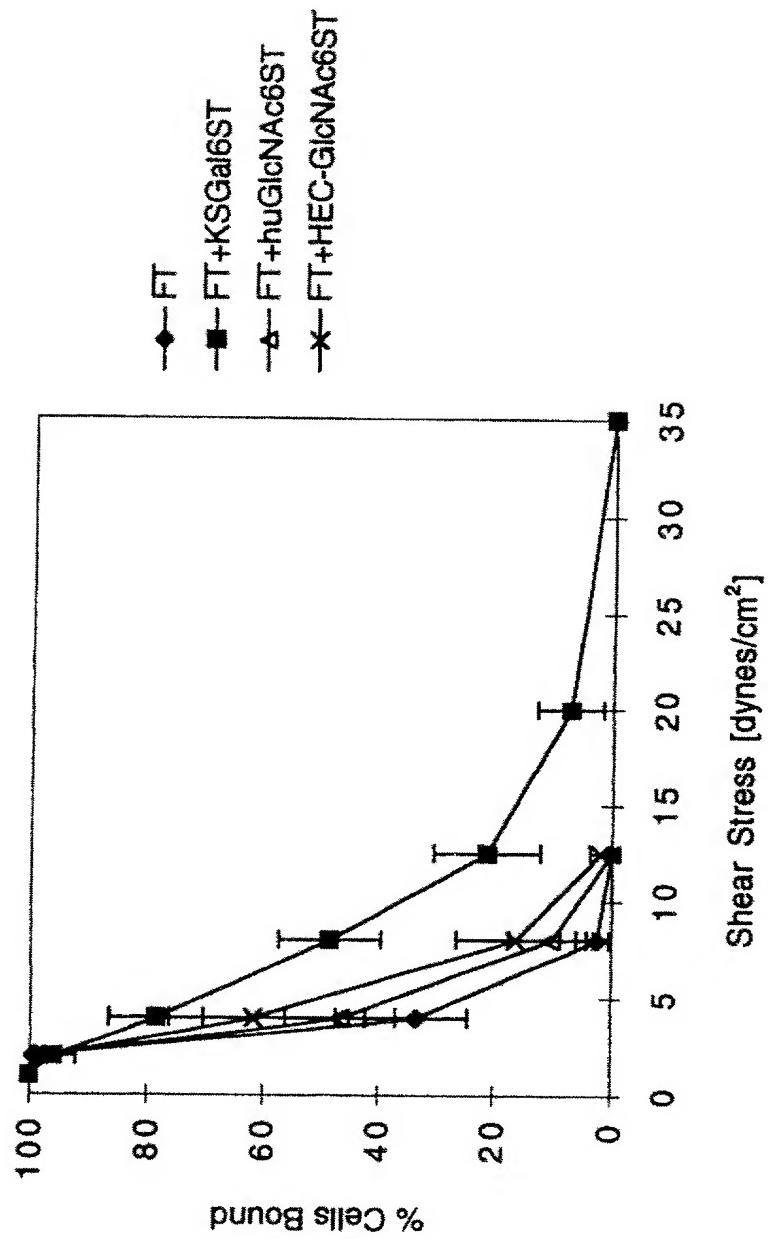


FIG. 14